

Preliminary Amendment

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1.(original): A method for detecting hepatocellular carcinoma comprising the steps of:

(a) measuring, in a tested tissue, the expression level(s) of at least one gene selected from the group consisting of plasminogen gene, EST51549, retinol-binding protein 4 gene and organic anion transporter C gene; and

(b) comparing the expression level(s) of the gene(s) measured in (a) with the expression levels of the genes in a control that correspond to the genes measured in step (a).

2.(original): A method for detecting hepatocellular carcinoma comprising the steps of:

(a) measuring, in a tested tissue, the expression level(s) of at least one gene selected from the group consisting of plasminogen gene, EST51549, retinol-binding protein 4 gene and organic anion transporter C gene, and at least one gene selected from the group consisting of aldolase B gene, carbamyl phosphate synthase 1 gene, albumin gene and cytochrome P450 subfamily 2E1 gene; and

(b) comparing the expression levels of genes measured in (a) with the expression levels of genes in a control that correspond to the genes measured in (a).

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3.(currently amended): A method for detecting hepatocellular carcinoma according to ~~any one of Claims 1 or 2~~, wherein the step (a) of measuring the expression level(s) of the gene(s) is performed by determining the amount of transcripts of the genes being measured.

4.(currently amended): A method for detecting hepatocellular carcinoma according to ~~any one of Claims 1 or 2~~, wherein the step (a) of measuring the expression level(s) of the gene(s) is performed by amplifying whole or a part of the DNA to be measured and using cDNA prepared from gene transcripts as a template.

5.(currently amended): A method for detecting hepatocellular carcinoma according to ~~any one of Claims 1 to 3~~, wherein the step (a) of measuring the expression level(s) of the gene(s) is performed by invader assay.

6.(currently amended): A method for detecting hepatocellular carcinoma according to ~~any one of Claims 1 to 2~~, wherein the step (a) of measuring the expression level(s) of the gene(s) is performed by hybridizing labeled cDNA prepared from transcripts including the gene(s) to be measured with whole or a part of the immobilized DNA of the gene(s) to be measured.

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7.(currently amended): A method for detecting hepatocellular carcinoma according to any one of Claims 1 to 6, wherein the tested tissue in the step (a) is liver tissue of a chronic hepatitis patient.

8.(original): A method for detecting hepatocellular carcinoma at an early stage that comprises the step of periodically measuring the expression level(s), in a tested tissue, of at least one gene selected from the group consisting of plasminogen gene, EST51549, retinol-binding protein 4 gene and organic anion transporter C gene.

9.(original): A method for detecting hepatocellular carcinoma at an early stage that comprises the step of periodically measuring the expression level(s), in a tested tissue, of at least one gene selected from the group consisting of plasminogen gene, EST51549, retinol-binding protein 4 gene and organic anion transporter C gene, and at least one gene selected from the group consisting of aldolase B gene, carbamyl phosphate synthase 1 gene, albumin gene and cytochrome P450 subfamily 2E1 gene.

10.(original): A DNA chip for detecting hepatocellular carcinoma in which whole or a part of DNA comprising transcribed region(s) of at least one gene selected from the group consisting of plasminogen gene, EST51549, retinol-binding protein 4 gene and organic anion transporter C gene is immobilized.

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11.(original): A DNA chip for detecting hepatocellular carcinoma in which whole or a part of DNA, in a tested tissue, comprising transcribed region(s) of at least one gene selected from the group consisting of plasminogen gene, EST51549, retinol-binding protein 4 gene and organic anion transporter C gene, and, at least one gene selected from the group consisting of aldolase B gene, carbamyl phosphate synthase 1 gene, albumin gene and cytochrome P450 subfamily 2E1 gene.